

# 185th Air Refueling Wing Sioux City, Iowa



FY 2011  
Economic Impact Statement

# 185th ARW Commander

As another busy year passes, I want to take this opportunity to thank the men and women of the 185th Air Refueling Wing for once again serving our community, state, and nation with pride, honor, and integrity. I would also like to thank the people of Siouxland for their tremendous support.

This year, the Airlift Tanker Association awarded our unit the 2011 Major General Stanley F. H. Newman Outstanding Unit Award. This prestigious award is presented annually to one Air National Guard wing that demonstrates the most significant impact on the success of the United States Military missions at home and abroad. This award is not the result of one or two people or a few teams on base, it is the result of all of us coming together as a team. We don't do our job to earn awards, but it is always nice to be recognized as the best.

Over the last year, our men and women deployed all over the world including missions over Iraq, Afghanistan, and Libya. We have deployed over a total of 37,000 days in support of these missions in the past year, many of which were short notice deployments. In addition to supporting global missions, we played a key role in the flood relief efforts earlier this summer, serving as the Air Operations Center for the flood relief and providing members to monitor levee conditions in the Sioux City area. We were also tested through operational exercises, where we once again performed above and beyond what was expected of us.

I say this every year, but cannot say it enough, our success and achievements are only possible because of the support from our community, our employers, and our families. Siouxland is an extraordinary place to serve. Our employers are constantly challenged as we continue to ask their employees to do more. Our family members are tasked with the challenge of maintaining our homes while we deploy around the world. Words cannot express my gratitude for your sacrifices and support.

As we move into 2012, the landscape of the global community will continue to change, as it has every year since I first enlisted. The one constant will be that our men and women will be committed to honorably serving our community, state, and nation in our mission at home and abroad. I am extremely proud to be a member of the 185th and I thank all of you again for continuing to support us.



**Col. Brian Miller**  
Commander



**Col. Mark Foreman**  
Vice Commander



**Lt. Col. Stephanie Samenus**  
Mission Support Group  
Commander



**Col. Edward Sauley III**  
Operations Group  
Commander



**Col. David Simon**  
Maintenance Group  
Commander



**Lt. Col. Jerry Self**  
Executive Officer



**Maj. Ryan Kluender**  
Comptroller

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An F-18 Fighter Jet from the Royal Australian Air Force receives fuel from a KC-135 Tanker, of the 185th Air Refueling Wing (ARW) Sioux City, Iowa, Iowa Air National Guard, over the coast of Australia on February 23, 2011. The 185th ARW participated in a joint flight exercise, "Sentry Down Under", refueling F-16C and F-18 Fighter Jets in Australia. USAF Photo Tech. Sgt. Oscar M. Sanchez-Alvarez

## Mission of the 185th Air Refueling Wing

The 185th Air Refueling Wing provides rapid, global mobility and sustainment for America's Armed Forces.

The 185th also plays a crucial role in providing humanitarian, state and national disaster response.



Airmen from the 185th Air Refueling Wing (ARW) work on the fuel boom of a KC-135 while at the Royal Australian Air Force base in Williamstown, New South Wales, Australia on February 25, 2011. The 185th ARW participated in a joint flight exercise, "Sentry Down Under", refueling F-16C and F-18 Fighter Jets while in Australia. USAF Photo Tech. Sgt. Oscar M. Sanchez-Alvarez

## Economic Impact

The Economic Impact Statement is developed as a source of information about the 185th Air Refueling Wing for use by Air Force planners, legislators and community leaders. It provides unclassified information about the unit to be used for planning purposes.

At a glance, the 185th Air National Guard has an annual payroll of \$49,781,600 and annual expenditures of \$28,357,300. The base employed 344 full-time members and 811 traditional Guardsmen. The 185th additionally provided \$3,439,000 in assistance/bonuses to Airmen for betterment of their education. Using a standard Air Force formula places the annual value of indirect jobs created at \$10,235,300 for a total economic impact of \$91,813,300 for FY11.

# KC-135R Aircraft Data

Aircraft Assigned	9
Primary Function	Aerial Refueling
Contractor	Boeing Military Airplanes
Power Plant	(4) CFM-International F108-DF-100 turbofans
Thrust	22,224 pounds (10,000.8 kilograms) per engine
Length	136 feet 3 inches (40.8 meters)
Height	38 feet 4 inches (11.5 meters)
Wingspan	130 feet 10 inches (39.2 meters)
Speed	Max. speed at 30,000 feet (9,100 meters) 610 MPH (Mach 0.93)
Ceiling	50,000 feet (15,152 meters)
Weight	119,231 pounds (53,654 kilograms) empty
Takeoff Weight	Max. 322,500 pounds (145,125 kilograms)
Range	11,192 miles (9,732 nautical miles) with 120,000 pounds (54,000 kilograms) of transfer fuel
Crew	3 plus up to 45 passengers
Date Deployed	August 1956
Unit Cost	\$53 million



*(Above) Staff Sgt. Ben Weins, 185th Air Refueling Wing aircraft jet engine mechanic, cleans the first stage fan blades from the engine of a KC-135 prior to a 1500 hour inspection in the main hanger at the Sioux City, Iowa Air National Guard base on June 27, 2011. The blades are inspected every 1500 hours of run time. USAF Photo Master Sgt. William Wiseman.*



*(Right) Tech. Sgt. Jeremy Ascherl hands a first stage fan blade to Master Sgt. Al Schwaderer after removing it from the CFM-International F108-CF-100 turbofan engine on a KC-135 in the Main hanger at Sioux City, Iowa Air National Guard Base. USAF Photo Master Sgt. William Wiseman.*

# Capital Assets

## Land

	Acres
Owned	16.5
Leased	<u>127.5</u>
<b>Total</b>	<b><u>144</u></b>

## Runways

	Width	Length
NW/SE (13/31)	150 feet	9,002 feet
N/S (17/35)	150 feet	6,600 feet

## Buildings

<b>Total</b>	<b>39</b>	<b>447,227 sq. ft.</b>
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A full moon serves as a picturesque back drop on a bitterly cold January morning. With temperatures in the single digits, crew members from the 185th Air Refueling Wing (ARW) prepare a KC-135 for a day of flying. The aircraft is on the ramp at the Iowa National Guard's 185th Air Refueling Wing in Sioux City, Iowa. USAF Photo Master Sgt. Vincent De Groot

# Value of Assets

## Weapons Systems

KC-135R	\$477,000,000
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## Capital Assets

Facilities (Cost Basis)	81,651,000
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## Equipment

In use Equipment	67,198,100
Vehicles	<u>10,179,900</u>
<b>Total</b>	<b>77,378,000</b>

## Inventories

On Hand Assets	<u>20,096,100</u>
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## Total Value

<b><u>\$656,125,100</u></b>
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USAF Photo Tech. Sgt. Oscar Sanchez

## A Full Ramp

KC-135R aircraft assigned to the 185th Air Refueling Wing (ARW) are temporarily parked at the Air National Guard Base in Sioux City, Iowa. The 185th has been flying the mid-air refueling aircraft since 2002.



USAF Photo Master Sgt. Vincent De Groot

# 185th Personnel

## Traditional Guardsmen

	FY10	FY11
Officer	110	108
Enlisted	<u>722</u>	<u>703</u>
Total	832	811

## Full-Time Employees

(AGR) Full-time	72	70
Air Technicians	212	201
State Employees	<u>68</u>	<u>73</u>
Total	352	344

Total Personnel	<u>1,184</u>	<u>1,155</u>
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Senior Airman Preston Crandell practices folding an American Flag at the 185th Air Refueling Base in Sioux City, Iowa, on January 8, 2011. Airman Crandell was awarded the National Guard Honor Guard member of the year for the state of Iowa. USAF Photo Tech Sgt. Oscar Sanchez



Brig. Gen. Gregory Schwab shakes hands with Master Sgt. Melisa Sanchez of the 185th Air Refueling Wing in Sioux City, Iowa. General Schwab was invited to be a part of a welcome home ceremony for 185th Airman who deployed in the past year in support of Operations Iraqi Freedom and Enduring Freedom. USAF Photo Tech Sgt. Oscar Sanchez



Iowa's 5th District Congressman Steve King speaks to an assembled crowd at the 185th Air Refueling Wing in Sioux City, Iowa. King was invited to be a part of a welcome home ceremony for Airman who deployed in the past year in support of Operations Iraqi Freedom and Enduring Freedom. USAF Photo Tech Sgt. Oscar Sanchez

# Money for College Students

	FY10	FY 11
Montgomery GI Bill	\$800,000	\$1,300,000
Montgomery GI Bill Kicker	550,000	550,000
Student Loan Repayment Program	190,000	93,000
Bonuses (Enlistment, Re-enlistment)	850,000	931,000
State of Iowa Tuition Assistance	<u>610,000</u>	<u>565,000</u>
Total Incentives paid	<u>\$3,000,000</u>	<u>\$3,439,000</u>

# Annual Payroll

## Traditional Guardsmen

	FY10	FY11
Officer	\$4,805,100	\$5,909,500
Enlisted	<u>12,876,700</u>	<u>12,608,100</u>
<b>Total</b>	<b>17,681,800</b>	<b>18,517,600</b>

## Full-Time Employees

(AGR) Full-time	5,385,200	6,058,400
Air Technicians	17,477,400	20,316,000
State Employees	<u>5,229,300</u>	<u>4,805,400</u>
<b>Total</b>	<b>28,091,900</b>	<b>31,179,800</b>

## State Active Duty

84,200

## Total Payroll

\$45,773,700

\$49,781,600



185th Air Refueling Wing Commander, Col. Brian Miller, is greeted by Capt. Roger Howard on the ramp at the Sioux City Air National Guard Base on March 30, 2011 after returning home from Afghanistan. Col. Miller served as the Deputy Commander-Air, U.S. Forces-Afghanistan, and Commander, 9th Air and Space Expeditionary Task Force-Afghanistan, during a six month deployment to Afghanistan. USAF Photo Master Sgt. Vincent De Groot

## Estimated Value of Indirect Jobs Created

Type of Personnel	Base Jobs	Multiplier	Indirect Jobs
Traditional Guardsmen	811	0.15	122
Full-Time Military	70	0.35	25
State/Federal Employees	274	0.44	<u>121</u>
		<b>Total</b>	<b>268</b>

Estimated Annual Dollar Value of Jobs Created

**Total** \$10,235,300

# Annual Expenditures



A KC-135 is in the main hanger at the 185th Air Refueling Wing in Sioux City, Iowa. Flags from Iowa, South Dakota and Nebraska in the background display where most of the 185th unit membership is drawn. USAF Photo Master Sgt. Vincent De Groot

	FY10	FY11
<b>BRAC</b>		
Base Realignment and Closure Fund	53,829	-
<b>Operations &amp; Maintenance Funds</b>		
Facility Sustainment, Restoration, Modernization	1,302,440	660,900
General Support Contracts	1,054,760	1,316,500
Air Technician & AGR - Travel for Training	286,850	276,800
State Contracts		
Non-Employee Cost of Security, Fire Dept., Facility Maint.	715,360	742,800
Supplies/Equipment	260,690	262,900
Ground Fuel	95,900	133,600
Aviation Program		
Aviation Fuel, Fly Supplies	10,361,870	22,269,900
Global War on Terrorism		
Travel, Supplies, Equipment	1,485,550	1,247,400
<b>Military Personnel Funds</b>		
Annual Training - Travel	504,460	523,400
Annual Training - Clothing	110,930	62,900
Annual Training - Subsistence	95,550	72,500
Special Training - Travel	168,820	319,700
School Training - Travel	392,640	383,800
Basic Military Training - Travel	<u>113,700</u>	<u>84,200</u>
<b>Total</b>	<b><u>\$17,003,349</u></b>	<b><u>\$28,357,300</u></b>



# Total Economic Impact

	FY10	FY11
Annual Payroll	\$45,773,700	\$53,220,700
Estimated Annual Value of Jobs Created	9,810,600	10,235,300
Annual Expenditures	<u>17,003,349</u>	<u>28,357,300</u>
Grand Total	<u>\$72,587,649</u>	<u>\$91,813,300</u>



Master Sgt. Neal Stokes, 185th Air Refueling Wing (ARW) vehicle maintenance, works on a fire truck at the 185th vehicle maintenance shop in Sioux City, Iowa. The large vehicle is raised using specially designed hoists to allow periodic maintenance. USAF Photo Master Sgt. Vincent De Groot



2nd Lt. Jennifer Carlson, 185th Air Refueling Wing (ARW) Equal Opportunity, talks with a member of the 185th at the equal opportunity office in Sioux City, Iowa. USAF Photo Master Sgt. Vincent De Groot



Technical Sgt Pat Schroeder and Technical Sgt Kirk Alexander, from the 185th fabrication shop, are putting the finishing touches on a newly restored F-80 "Shooting Star" at Camp Dodge in Johnston, Iowa. The aircraft was refurbished at the fabrication shop and painted by the Air National Guard Paint facility in Sioux City before being put on permanent static display at Camp Dodge. The paint scheme depicts the way the aircraft looked when it was flown by the 185th Tactical Fighter group in the 1950s. (photo contributed)



# Payroll to Surrounding States

## South Dakota

Full-Time	16	\$1,288,000
Traditional	64	1,036,800
Retired Full-Time	16	537,600
Retired Part-Time	<u>22</u>	<u>327,800</u>
<b>Total</b>	<b><u>118</u></b>	<b><u>\$3,190,200</u></b>

## Iowa

Full-Time	240	\$19,320,000
Traditional	502	8,132,400
Retired Full-Time	181	6,081,600
Retired Part-Time	<u>229</u>	<u>3,412,100</u>
<b>Total</b>	<b><u>1,152</u></b>	<b><u>\$36,946,100</u></b>

## Nebraska

Full-Time	33	\$2,656,500
Traditional	64	1,036,800
Retired Full-Time	15	504,000
Retired Part-Time	<u>56</u>	<u>834,400</u>
<b>Total</b>	<b><u>168</u></b>	<b><u>\$5,031,700</u></b>

## Other

Full-Time	1	\$ 80,500
Traditional	36	583,200
Retired Full-Time	21	705,600
Retired Part-Time	<u>31</u>	<u>461,900</u>
<b>Total</b>	<b><u>89</u></b>	<b><u>\$1,831,200</u></b>

# 185th Community Involvement



Col. Mark Foreman, 185th Vice-Commander, and Col. Dave Simon, 185th Maintenance Group Commander, unveil a plaque recognizing the sacrifices made by WWII POW SSgt Judd Lischke at the conclusion of the POW/MIA Remembrance Run held on May 28, 2011. This run was organized by local Siouxland citizens to recognize annually the sacrifices made by local veterans and to raise funds for the construction of the Siouxland Freedom Park. USAF Photo Tech. Sgt. Oscar Sanchez



Master Sgt Marty Hogan leads the way during the POW/MIA remembrance run on May 28, 2011. Many members of the 185th participated in the event. The run was organized to raise money for the Freedom Park project. USAF Photo Tech. Sgt. Oscar Sanchez



The 185th Honor Guard participates in pregame activities on "Military Appreciation Night at Bandits". The American Professional Football League's Bandits, along with members of the community, hosted military appreciation night on June 25, 2011. Military members were invited to attend and enjoy a game for free admission. USAF Photo: Master Sgt. William Wiseman

**Siouxland Community Blood Bank  
2011 185th Blood Drives**

- Four Blood Drives
- Over 105 units donated
- Saved over 315 lives

**Volunteer Hours performed by  
185th ARW unit members in the  
Siouxland area for FY 2011**

**33,900**

# Deployments



*SOUTHWEST ASIA -- Tech. Sgt. Brett Robinson is deployed from the 185th Air Refueling Wing, Sioux City, Iowa. USAF Photo Senior Airman Cynthia Spalding*



*SOUTHWEST ASIA-All on separate deployments; Lt. Cols. Larry Fillipi, Kerry Gill and Timothy Hejhal have a 185th reunion at Thumrait Air Base in Oman on July 19, 2011.*



*ASADABAD, Afghanistan - U.S. Air Force Lt. Col. Neil Stockfleth of Sgt. Bluff, Iowa, Agriculture Section officer in charge for the Iowa National Guard's 734th Agribusiness Development Team, greets Mohammed Ismael, manager of the Salar Bagh Demonstration Farm near Asadabad, in Afghanistan's Kunar Province, Jan 18, 2011. The ADT worked to develop the agribusiness sector of Kunar Province since July 2010. USAF Photo Capt. Peter Shinn*



*CHOWKAY, Afghanistan - U.S. Air Force Staff Sgt. Bennett Groth of Merville, Iowa, production agriculture specialist for the Iowa National Guard's 734th Agribusiness Development Team, positions a two-wheeled tractor at the Chowkay Demonstration Farm in Afghanistan's Kunar Province. Groth and other members of the Iowa ADT worked to improve the agribusiness sector of Kunar Province since July 2010. USAF Photo Capt. Peter Shinn*

# Operation Unified Protector



A Sioux City, Iowa KC-135 Stratotanker from the 185th Air Refueling Wing provides aerial refueling for a Royal Norwegian Air Force F-16 somewhere over the Mediterranean Sea. The mission is in support of Operation Unified Protector April 8, 2011. The 313th AEW supported Operation Unified Protector, a NATO-led mission in Libya to protect civilian and civilian-populated areas under threat of attack. USAF Photo Senior Airman Tyler Placie



The 313th Air Expeditionary Wing, which supported Operation Unified Protector, was given a nickname Calico Wing by the wing's commander, Brig. Gen. Roy Uptegraff. The 313th AEW operated from an air base in Western Europe. Operation Unified Protector was part of the international response to the unrest in Libya and enforcement of United Nations Security Council Resolution 1973 of a no-fly zone over Libya. U.S. Air Force graphic

Crew members, Master Sgt. Dudley Joines, Lt. Col. Mike Maier and Maj. Kevin Alons from the 185th Air Refueling Wing, Sioux City, Iowa return from a refueling mission over the Mediterranean Sea. Currently assigned to the the 313th Air Expeditionary Wing, the crew supports Operation Unified Protector, a NATO-led mission in Libya to protect civilians and civilian-populated areas under threat of attack. USAF Photo Tech. Sgt. Stacy Gault



# Missouri River Flooding



A sign along US Highway 75 in Sioux City, Iowa, notifies motorists that Interstate 29 was closed because of summer flooding. I-29 runs north and south along the Iowa-Nebraska border adjacent to the flooding Missouri River.

USAF Photo Master Sgt. Vincent De Groot



Tech. Sgt. Dave Henson, 185th Air Refueling Wing, Sioux City, Iowa, guides a Blackhawk helicopter from Charlie Company 2nd of the 147th Aviation Battalion. The Boone, Iowa based Army National Guard helicopter provided support for Missouri River flood operations while temporarily based at the Sioux City Air National Guard base.

USAF Photo Master Sgt. Vincent De Groot



Master Sgt. Clint Thomsen (left) and Staff Sgt. Ryan Baker, with the 185th Air Refueling Wing (ARW), Iowa Air National Guard, Sioux City, Iowa, monitor levees built along the Missouri River near the Siouxland Veterans Memorial Bridge. The two airmen are checking for potential problems along the levee on June 15, 2011.

USAF photo Tech. Sgt. Oscar Sanchez



A sand bag barrier was constructed to protect private property from rising Missouri River waters in North Sioux City, South Dakota. The sand bags were put in place primarily by South Dakota Army National Guard Soldiers in anticipation of record flooding along the Missouri River.

USAF Photo Master Sgt. William Wiseman



A CH-47 Chinook helicopter, from Company B, 2nd Battalion 238th Aviation, based in Peoria Illinois, is being refueled while on the ramp at the Iowa Air National Guard base in Sioux City, Iowa. Members of the 185th Air Refueling Wing based in Sioux City are refueling the helicopter while it is still running. "Hot Refueling" saves time for the air crew who will return to flooded areas along the Missouri River. National Guard Soldiers from Minnesota, South Dakota, Illinois and Iowa assisted local and state authorities in Western Iowa and South East South Dakota to protect private properties and municipalities along the swollen Missouri River.

USAF Photo Master Sgt. Vincent De Groot

# 185th History

## Aircraft History

- 1946 - 185th is established; 174th Flying Squadron is equipped with P-51 Mustangs
- 1951 - Conversion to F-84B Thunderjet
- 1951 - Re-equipped with P-51Ds for activation in the Korean conflict
- 1953 - Conversion to F-80C Shooting Star
- 1955 - Conversion to F-84E Thunderstreak
- 1958 - Conversion to RF-84F Thunderflash
- 1961 - Conversion to F-100C Super Sabre
- 1968 - Unit activated as result of Pueblo Crisis in Vietnam; spawned the nickname "The Bats"
- 1977 - Conversion to A-7D Corsair
- 1991 - Conversion to F-16 Falcon
- 2003 - Conversion to KC-135E Stratotanker
- 2007 - Conversion to KC-135R Stratotanker



Maj Nelson 1961  
Then "Major" Warren Nelson (right) prepares for flight on an F-100 in the summer of 1961. Nelson went on to become the Wing Commander from 1976 until he retired in 1980.



Take Off 1964  
The Air Guard in Sioux City received its first F-100 in the summer of 1961. The Super Sabre became the airframe that was flown the longest in the wing's history when it was replaced by the A-7 Corsair 16 years later in 1977.



Maintaining a Sabre 1971  
An F-100 Super Sabre is in the main hanger at the Sioux City Air National Guard base. The Main Hanger is still in use today after being modified in 2002 to accommodate the KC-135.

## Awards

- 2011 Airlift Tanker Association Outstanding Unit
- 2009 Distinguished Flying Unit recipient
- 2007 Metcalf Trophy Best Heavy Aircraft Unit
- Two time Spatz Trophy recipient: 1956 -1990

Seven time Air Force Outstanding Unit Award recipient:

1986 -1987 -1990 -1991 -2007 -2008 - 2011



# The Back Page



Members of 185th services flight pose for a photo at the Combined Air and Space Operations Center, Southwest Asia. The Airmen were performing a variety of tasks while assigned to the 379th Air Expeditionary Wing for a six month deployment. The photo was taken and used as a "Thank You" for all those who supported them while they were on deployment and echoes the sentiments of the 185th wing leadership to the communities, families and employers where we live and work.

## BEST PART TIME JOB!

- Serve just 39 days per year
- One weekend per month plus two weeks annual training per year
  - Initial Active Duty Training, one-time requirement
- Basic Military Training (8 1/2 weeks in sunny San Antonio, TX)
  - Technical School (length depends on career field)

### ENTITLEMENTS

- Receive the Montgomery G.I. Bill (\$345 per month for 36 months) \$12,420
- Community College of the Air Force (earn college credits while in Air Force schools)
  - Low cost Life, Medical & Dental Insurance
  - Minimum pay per weekend \$180.96 = \$11.31/hour to start
- 90% Tuition Assistance at Iowa supported colleges and universities

### BONUSES

(available to selected career fields)

- Advance promotion (from E-1 to E-3)
  - \$20,000 cash
- G.I. Bill kicker (\$350 per month)